

Claims

[c1] What is claimed is:

1. An electronic apparatus with level-detecting function, the electronic apparatus comprising:

an electronic component;

a light-sensing device for sensing light;

a light source for emitting light onto the light-sensing device;

a light blocker for blocking light emitted by the light source from projecting onto the light-sensing device when the electronic component is tilted and has a tilt angle within a predetermined range; and

a control circuit electrically connected to the light-sensing device for controlling the electronic component to selectively operate in one of a plurality of operating modes according to the intensity of light received by the light-sensing device.

[c2] 2. The electronic apparatus of claim 1, wherein the electronic component is an optical disc drive.

[c3] 3. The electronic apparatus of claim 2 further comprising a housing for the light blocker to be rotatably fixed to, when the optical disc drive is tilted at an angle within the

predetermined range, the light blocker is rotated to a position to block light emitted from the light source from projecting onto the light-sensing device.

- [c4] 4. The electronic apparatus of claim 2, wherein the plurality of operating modes comprises an enable mode and an off mode.
- [c5] 5. The electronic apparatus of claim 4, wherein the optical disc drive continuously reads data stored on a disc when operating in the enable mode; but generates a sound signal or a light signal as an alarm signal, stops reading the data stored on the disc, or is turned off when operating in the off mode.
- [c6] 6. The electronic apparatus of claim 1, wherein the electronic component is a liquid crystal display panel (LCD panel).
- [c7] 7. The electronic apparatus of claim 6 further comprising a housing for the light blocker to be rotatably fixed to, when the LCD panel is tilted at an angle within the predetermined range, the light blocker is rotated to a position to block light emitted by the light source from projecting onto the light-sensing device.
- [c8] 8. The electronic apparatus of claim 6, wherein the plurality of operating modes comprises a horizontal dis-

playing mode and a vertical displaying mode.

- [c9] 9. A method for enabling an electronic apparatus to selectively operate in one of a plurality of operating modes according to a tilt angle of the electronic apparatus, the method comprising the following step:
emitting light from a light source to a light-sensing device;
blocking the light according to the tilt angle with a light blocker when the electronic component is tilted; and
controlling an electronic component of the electronic apparatus to operate in one of the plurality of modes according to the intensity of light emitted by the light source and sensed by the light-sensing device.
- [c10] 10. The method of claim 9, wherein the electronic component is an optical disc drive, and the plurality of modes comprises an enable mode and an off mode.
- [c11] 11. The method of claim 10, wherein the optical disc drive continuously reads data stored on a disc when operating in the enable mode; but generates a sound signal or a light signal as an alarm signal, stops reading the data stored on the disc, or is turned off when operating in the off mode.
- [c12] 12. The method of claim 9, wherein the electronic com-

ponent is an LCD panel, and the plurality of modes comprises a horizontal displaying mode and a vertical displaying mode.

- [c13] 13. The method of claim 9, wherein the electronic apparatus further comprises a housing for the light blocker to be rotatably fixed to, when the electronic component is tilted at an angle within a predetermined range, the light blocker is rotated to a position to block light emitted by the light source from projecting onto the light-sensing device.